

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1085.0050000/RWE/ALS	APPLICATION NO. 09/674,733
	APPLICANT Szardenings et al.	
	§ 371 Date: 05/02/01	GROUP 1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

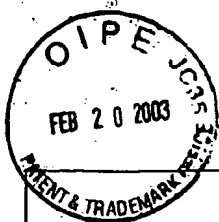
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT	1	Bagutti, C. et al., "[ <sup>111</sup> In]-DTPA-Labeled Analogues of $\alpha$ -Melanocyte-Stimulating Hormone for Melanoma Targeting: Receptor Binding In Vitro and In Vivo," Int. J. Cancer 58:749-755, Wiley-Liss, Inc. (1994).

EXAMINER	DATE CONSIDERED 1-21-04
----------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.§ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS



EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1600/2000

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

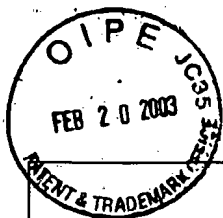
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Bhardwaj, R.S. et al., "Pro-Opiomelanocortin-Derived Peptides Induce IL-10 Production in Human Monocytes," J. Immunol. 156:2517-2521, The American Association of Immunologists (1996).
	AS	2	Cone, R.D. et al., "The Melanocortin Receptors: Agonists, Antagonists, and the Hormonal Control of Pigmentation," Recent Prog. Horm. Res. 51:287-317, The Endocrine Society (1996).
	AT	2	De Wied, D. and Jolles, J., "Neuropeptides Derived From Pro-Opiocortin: Behavioral, Physiological, and Neurochemical Effects," Physiol. Rev. 62:976-1059, The American Physiological Society (1982).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.\$ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Eberle, A.N., "Structure-Activity Relationships of the Melanotropins," in The Melanotropins: Chemistry, Physiology and Mechanisms of Action, Eberle, A.N., Ed., S. Karger Publishing, Basel, Switzerland, pp.333-379 (1988).
	AS	3	Gonindard, C. et al., "The Administration of an $\alpha$ -MSH Analogue Reduces the Serum Release of IL-1 $\alpha$ and TNF $\alpha$ Induced by the Injection of a Sublethal Dose of Lipopolysaccharides in the BALB/c Mouse," Pigment Cell Res. 9:148-153, Munksgaard (1996).
	AT	3	Gruber, K.A. and Callahan, M.F., "ACTH-(4-10) through $\gamma$ -MSH: evidence for a new class of central autonomic nervous system-regulating peptides," Am. J. Physiol. 257:R681-R694, The American Physiological Society (1989).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449  FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1085.0050000/RWE/ALS	APPLICATION NO. 09/674,733
	APPLICANT Szardenings et al.	
	§ 371 Date: 05/02/01	GROUP 1614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1000/2900

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>4</u>	Hartmeyer, M. et al., "Human Dermal Microvascular Endothelial Cells Express the Melanocortin Receptor Type 1 and Produce Increased Levels of IL-8 upon Stimulation with $\alpha$ -Melanocyte-Stimulating Hormone," J. Immunol. 159:1930-1937, The American Association of Immunologists (August 1997).
	AS	<u>4</u>	Hnatowich, M.R. et al., "ACTH receptors in nervous tissue. High affinity binding-sequestration of [ $^{125}$ I] [Phe <sup>2</sup> , Nle <sup>4</sup> ] ACTH 1-24 in homogenates and slices from rat brain," Can. J. Physiol. Pharmacol. 67:568-576, National Research Council of Canada (1989).
	AT	<u>4</u>	Hol, E.M. et al., "Protection by an ACTH <sub>4-13</sub> Analogue Against the Toxic Effects of Cisplatin and Taxol on Sensory Neurons and Glial Cells In Vitro," J. Neurosci. Res. 39:178-185, Wiley-Liss, Inc. (1994).

EXAMINER 	DATE CONSIDERED 1.21.04
---	----------------------------

EXAMINER: Initial if reference=considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.\$ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1000/2900

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>5</u>	Hruby, V.J. et al., "Cyclic Lactam $\alpha$ -Melanotropin Analogues of Ac-Nle <sup>4</sup> -cyclo[Asp <sup>5</sup> ,D-Phe <sup>7</sup> ,Lys <sup>10</sup> ] $\alpha$ -Melanocyte-Stimulating Hormone-(4-10)-NH <sub>2</sub> with Bulky Aromatic Amino Acids at Position 7 Show High Antagonist Potency and Selectivity at Specific Melanocortin Receptors," <i>J. Med. Chem.</i> 38:3454-3461, American Chemical Society (1995).
	AS	<u>5</u>	Klein, M.C. et al., "Pressor and Cardioaccelerator Effects of Gamma MSH and Related Peptides," <i>Life Sci.</i> 36:769-775, Pergamon Press (1985).
	AT	<u>5</u>	Knittel, J.J. et al., "Structure-Activity Studies of Highly Potent Cyclic [Cys <sup>4</sup> ,Cys <sup>10</sup> ]Melanotropin Analogues," <i>J. Med. Chem.</i> 26:125-129, American Chemical Society (1983).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.§ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

9	AR	6	Lichtensteiger, W. et al., "Pre- and Postnatal Ontogeny of [ <sup>125</sup> I]Nle <sup>4</sup> ,D-Phe <sup>7</sup> -α-MSH Binding Sites in Rat Brain," <i>Ann. N.Y. Acad. Sci.</i> 680:652-654, New York Academy of Sciences (1993).
1	AS	6	Lin, S.-Y., et al. "A γ-Melanocyte Stimulating Hormone-like Peptide Causes Reflex Natriuresis After Acute Unilateral Nephrectomy," <i>Hypertension</i> 10:619-627, American Heart Association (1987).
2	AT	6	Murphy, J.R. et al., "Genetic construction, expression and melanoma-selective cytotoxicity of a diphtheria toxin-related α-melanocyte-stimulating hormone fusion protein," <i>Proc. Natl. Acad. Sci. USA</i> 83:8258-8262, National Academy of Sciences (1986).

EXAMINER

DATE CONSIDERED

1.24.04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.§ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS

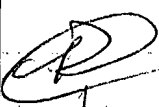
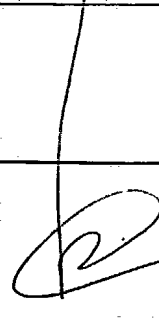

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Prusis, P. et al., "A Three Dimensional Model for the Interaction of MSH with the Melanocortin-1 Receptor," Biochem. Biophys. Res. Commun. 210:205-210, Academic Press, Inc. (1995).
	AS	2	Sawyer, T.K. et al., "4-Norleucine, 7-D-phenylalanine- $\alpha$ -melanocyte-stimulating hormone: A highly potent $\alpha$ -melanotropin with ultralong biological activity," Proc. Natl. Acad. Sci. USA 77:5754-5758, National Academy of Sciences (1980).
	AT	2	Sawyer, T.K. et al., "[half-Cys <sup>4</sup> , half-Cys <sup>10</sup> ]- $\alpha$ -Melanocyte-stimulating hormone: A cyclic $\alpha$ -melanotropin exhibiting superagonist biological activity," Proc. Natl. Acad. Sci. USA 79:1751-1755, National Academy of Sciences (1982).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.§ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS


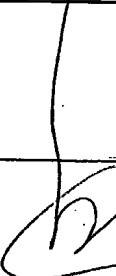
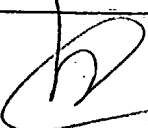
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 24 2003  
TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Tatro, J.B. et al., "Interaction of an $\alpha$ -Melanocyte-stimulating Hormone-Diphtheria Toxin Fusion Protein with Melanotropin Receptors in Human Melanoma Metastases," <i>Canc. Res.</i> 52:2545-2548, American Association for Cancer Research (1992).
	AS	8	Thielemans, K.M.M., "Immunotherapy with Bispecific Antibodies," <i>Verh. K. Acad. Geneesk. Belg.</i> 57:229-248, Paleis Der Academein (1995).
	AT	8	Wiegant, V.M. et al., "Intracerebroventricular ACTH Activates the Pituitary-Adrenal System: Dissociation from a Behavioral Response," <i>Life Sci.</i> 25:1791-1796, Pergamon Press (1979).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





RECEIVED

JUL 17 2002

TECH CENTER 1600/2900

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1085.0050000/RWE/ALSAPPLICATION NO.  
09/674,733APPLICANT  
Szardenings et al.§ 371 Date:  
05/02/01GROUP  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1	5,731,408	03/24/98	Hadley, M.E. et al.	530	317	04/10/95
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>1</u>	Schiöth, H.B. et al., "Binding of cyclic and linear MSH core peptides to the melanocortin receptor subtypes," <i>European Journal of Pharmacology</i> 319:369-373, Elsevier Science B.V. (February 1997).
	AS	<u>1</u>	Szardenings, M. et al., "Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1," <i>J. Biol. Chem.</i> 272: 27943-27948, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).
	AT	<u>1</u>	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



RECEIVED

JUL 17 2002

TECH CENTER 1600/2900

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET NO. 1085.0050000/RWE/ALS		APPLICATION NO. 09/674,733		
			APPLICANT Szardenings et al.		GROUP 1614		
			§ 371 Date: 05/02/01				
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1	5,731,408	03/24/98	Hadley, M.E. et al.	530	317	04/10/95
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>1</u>	Schiöth, H.B. et al., "Binding of cyclic and linear MSH core peptides to the melanocortin receptor subtypes," <i>European Journal of Pharmacology</i> 319:369-373, Elsevier Science B.V. (February 1997).				
	AS	<u>1</u>	Szardenings, M. et al., "Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1," <i>J. Biol. Chem.</i> 272: 27943-27948, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).				
	AT	<u>1</u>					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

::ODMA\MIODNA\SKGP\_DCI:32657:1

SKGP Rev. 1/95